

IN THE CLAIMS

This listing of the claim will replace all prior versions and listings of claim in the present application.

Listing of Claims

1. (currently amended) A computer system comprising:
a first storage apparatus located at a first site; and
a second storage apparatus located at a second site operatively connected to the first site via a network;
wherein the first storage apparatus is configured to sort data stored in the first storage apparatus into groups which are each assigned a priority level, and to transfer the sorted data to the second storage apparatus according to the priority, and

wherein, when a failure occurs in the first storage apparatus, the second storage apparatus transfers the sorted data stored therein, in an order according to the priority levels assigned to the groups, to the first storage apparatus to recover the first storage apparatus, and

wherein sorted data having a highest priority level is transferred from the second storage apparatus to the first storage apparatus.

2. (currently amended) The computer system according to claim 1, wherein the first storage apparatus sorts the data into the groups ~~defines the priority levels based on a recovery time required for recovering data of the first storage apparatus.~~

3. (previously presented) The computer system according to claim 1, wherein the first storage apparatus transfers the sorted data to the second storage apparatus in an asynchronous remote copy manner.

4. (previously presented) The computer system according to claim 1, wherein the sorted data is used in a database.

5. (previously presented) The computer system according to claim 4, wherein one of the groups into which the data is sorted includes a log data set, and the one of the groups is transferred from the first storage apparatus to the second storage apparatus in a synchronous remote copy manner.

6. (currently amended) A The computer system according to claim 5 comprising:

a first storage apparatus located at a first site; and

a second storage apparatus located at a second site operatively connected to the first site via a network;

wherein the first storage apparatus is configured to sort data stored in the first storage apparatus into groups which are each assigned a priority level, and to transfer the sorted data to the second storage apparatus, and

wherein, when a failure occurs in the first storage apparatus, the second storage apparatus transfers the sorted data stored therein, in an order according to the priority levels assigned to the groups, to the first storage apparatus to recover the first storage apparatus.

wherein the sorted data is used in a database,

wherein one of the groups into which the data is sorted includes a log data set, and the one of the groups is transferred from the first storage apparatus to the second storage apparatus in a synchronous remote copy manner, and

wherein a highest priority level is allocated to the one of the groups in which the log data set is included.

7. (previously presented) The computer system according to claim 1, wherein the second site detects the failure of the first storage apparatus via the network.

8. (previously presented) The computer system according to claim 1, wherein the second storage apparatus restricts use of at least one of the groups in which data to be recovered is included, and allows the use of at least one of the groups when the data in the at least one of the groups is recovered.

Claims 9 and 10 (canceled).

11. (currently amended) A computer system comprising:
a first storage apparatus located at a first site; and
a second storage apparatus located at a second site operatively connected to the first site via a network;

wherein the first storage apparatus is configured to sort data stored in the first storage apparatus into groups which are each assigned a priority level based on recovery time required for recovering data of the first storage apparatus, and to transfer the sorted data to the second storage apparatus,

wherein, when a failure occurs in the first storage apparatus, the second storage apparatus transfers the sorted data stored therein, in an order according to priority levels assigned to the groups, to the first storage apparatus to recover the first storage apparatus,

wherein the sorted data is used in a database, and

wherein one of the groups into which the data is sorted includes a log data set, and the one of the groups is transferred from the first storage apparatus to the second storage apparatus in a synchronous remote copy manner, and

wherein the one of the groups into which the data is sorted has a highest priority level.